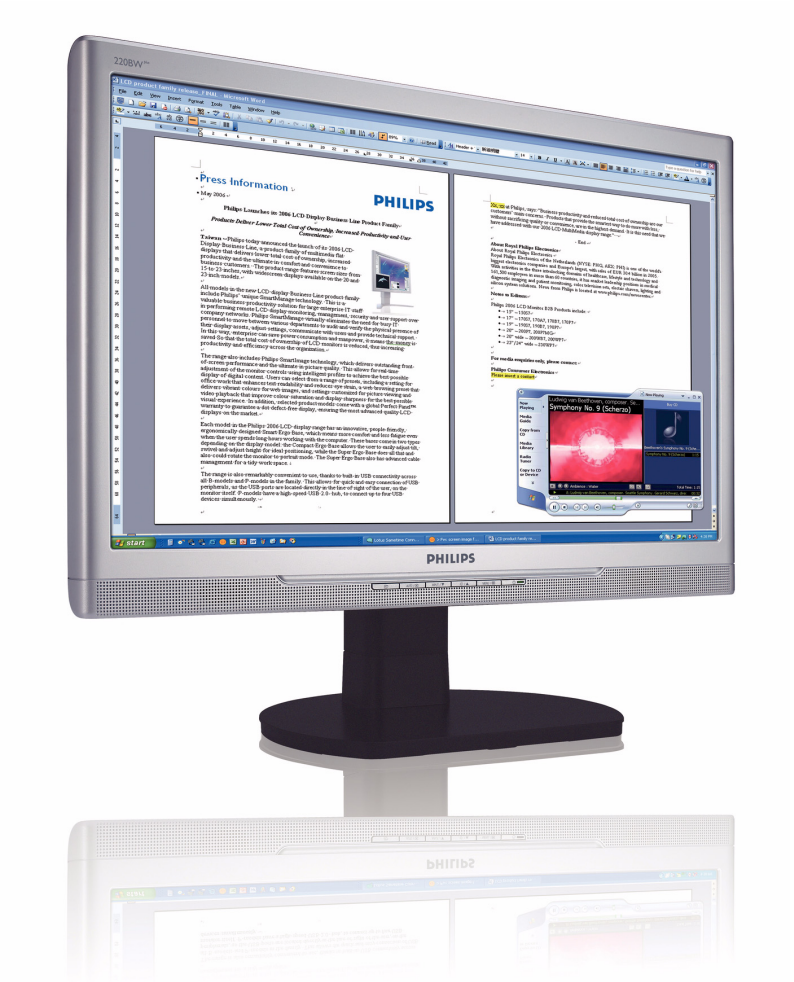
Philips
LCD widescreen monitor

22" wide
WSXGA+

220BW8CS1



Bigger, wider screen: better business productivity

With big, widescreen, performance-enhancing comfort, value-added convenience features and great cost benefit ratio, the 220BW8-PLUS is the smart choice for business productivity - and is ready for upgrade to Windows Vista.

Designed for maximum productivity
- Big, wide screen ideal for viewing two A4 pages side by side
- Tilt, swivel and height-adjust for an ideal viewing position

Outstanding front of screen performance
- WSXGA+, wide format 1680 x 1050 resolution for sharper display
- SmartImage: For an optimised display experience
- SmartContrast: Dynamic,optimised contrast for visual clarity
- PerfecTune ensures top-quality LCD display delivered to you
- DVI-D input and HDCP support

Best total cost of ownership solution
- Complies with RoHS standards of care for the environment
- Power consumption below the industry average

Great convenience
- Built-in speakers for audio without desktop clutter
- Dual input accepts both analogue VGA and digital DVI signals

PHILIPS
sense and simplicity

Highlights

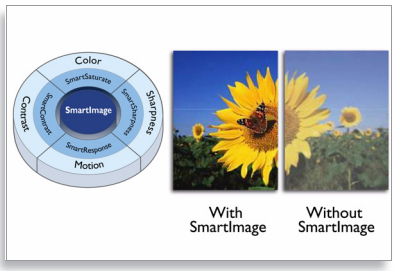
Compact Ergo Base

The Compact Ergo Base is a 'people-friendly' Philips monitor base that tilts, swivels and height-adjusts so each user can position the monitor for maximum viewing comfort and efficiency.

WSXGA+, wide format 1680 x 1050

Wide format, super extended graphics array is a display specification that is capable of displaying 1680 x 1050 resolution or approximately 1.7 million pixels.

SmartImage



SmartImage is an exclusive leading-edge Philips technology that analyses the content displayed on your screen. Based on a scenario you select, SmartImage dynamically enhances the contrast, colour saturation and sharpness of images and videos for ultimate display performance - all in real time and at the press of a single button.

SmartContrast

SmartContrast is Philips technology that analyses the contents you are displaying, automatically adjusting colours and controlling backlight intensity to dynamically enhance contrast for the best digital images and optimum contrast for better entertainment when viewing videos or playing games where dark hues are displayed; when you select the Economy mode, contrast is adjusted and backlighting fine-tuned for just-right display of everyday office applications and lower power consumption.

PerfecTune

PerfecTune is industry-leading, proprietary Philips testing and algorithm technology for monitor adjustment and fine tuning, an extensive process that ensures ultimate display performance in compliance with a standard four times more stringent than Microsoft's Vista requirements from each and every monitor that leaves the factory - not just a few review samples. Only Philips goes to these lengths to deliver this exacting level of colour accuracy and display quality in every new monitor.

HDCP ready

High-Bandwidth Digital Content Protection (HDCP) is a copyright protection system that is incorporated into the DVI connector. It helps stop unauthorised duplication of copyrighted content. HDCP allows you to play protected content media such as movies and concerts. It checks the signal to prevent piracy, allowing only legal copies of content to display.

Compliant with RoHS standards

Philips designs and produces display products in compliance with strict Restriction of Hazardous Substances (RoHS) standards that restrict lead and other toxic substances that can harm the environment.

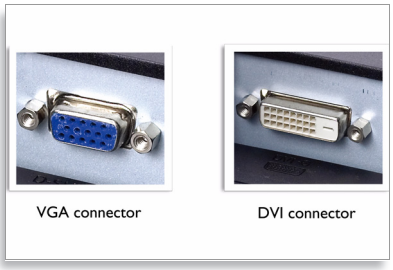
Lower power consumption

Reduction of the electrical power required to operate a device.

Built-in speakers

Audio speakers built into a display device.

Dual input



Dual input provides connectors to accommodate input of both analogue VGA and digital DVI signals.

TCO Development TCO'03 DISPLAYS www.tcodevelopment.com
SmartImage™
VGA dvi DualInput
SmartContrast
PerfecTune
Built-in Speakers
SmartErgoBase
WideScreen

LCD widescreen monitor
22" wide WSXGA+

220BW8CS1/05

Specifications

Picture/Display
- LCD panel type: 1680 x 1050 pixels, Anti-glare polariser, RGB vertical stripe
- Panel Size: 22"/55.9 cm
- Effective viewing area: 474 x 296 mm
- Pixel pitch: 0.282 x 0.282 mm
- Brightness: 300 cd/m²
- Contrast ratio (typical): 1000:1
- SmartContrast ratio (dynamic): 3400:1
- Display colours: 16.7 M
- Viewing angle: 160° (H)/160° (V), @ C/R > 10
- Response time (typical): 5 ms
- White Chromaticity, 6500K: x = 0.313/y = 0.329
- White Chromaticity, 9300K: x = 0.283/y = 0.297
- Maximum Resolution: 1680 x 1050 @ 60 Hz
- Optimum Resolution: 1680 x 1050 @ 60 Hz
- Video Dot Rate: 205 MHz
- Horizontal Scanning Frequency: 30 - 83 kHz
- Vertical Scanning Frequency: 56 - 75 Hz
- Aspect ratio: 16:10
- sRGB

Connectivity
- Signal Input: VGA (Analogue), DVI-D
- USB: USB 2.0 x 1
- Video Sync Input Signal: Composite Sync, Separate Sync, Sync on Green
- Video input impedance: 75 ohm
- Sync input impedance: 2.2k ohm
- Video input signal levels: 0.7 Vpp

Convenience
- User convenience: On-screen Display
- Monitor Controls: SmartImage, Auto (Back), Input (Down), Volume (Up), Menu (OK), Power On/Off
- OSD Languages: English, French, German, Italian, Russian, Spanish
- Other convenience: Kensington lock compatible
- Plug & Play Compatibility: DDC/CI, sRGB, Windows 98/ME/2000/XP/Vista
- Regulatory Approvals: CE Mark, Energy Star, FCC Class B, SEMKO, TCO '03, TÜV/GS, TÜV Ergo, UL/cUL
- Tilt: -5° to 20°
- Swivel: +/-45°
- VESA Mount: 100 x 100 mm
- Built-in Audio: 1 W x 2

Accessories
- Included Accessories: AC Power Lead, VGA cable, DVI-D cable, Audio Cable
- User manual

Dimensions
- Box dimensions (W x H x D): 565 x 490 x 173 mm
- Box dimensions in inch (W x H x D): 22.2 x 19.3 x 6.8 inch
- Set dimensions (W x H x D): 451 x 519 x 113 mm
- Set dimensions in inch (W x H x D): 17.8 x 20.4 x 4.4 inch
- Set dimensions with stand (W x H x D): 455 x 519 x 211 mm
- Set dimensions with stand in inch (W x H x D): 17.9 x 20.4 x 8.3 inch
- Height adjustment range: 70 mm
- MTBF: 50,000 hrs
- Relative humidity: 20% - 80%
- Temperature range (operation): 0°C to 40°C
- Temperature range (storage): -20°C to 60°C
- Product weight (+stand): 5.6 kg
- Product weight (+stand) (lb): 12.3 lb
- Weight incl. Packaging: 6.8 kg
- Weight incl. Packaging (lb): 15.0

Power
- Complies with: Energy Star
- Consumption (On mode): < 45 W (Typical)
- Consumption (Off Mode): < 1 W
- Power LED indicator: Standby/sleep - Amber, Operation - green
- Power supply: Built-in, 100-240 VAC, 50/60 Hz

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Version: 1.0.3

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